



# NITFS Compliance Registration



**Product:** Geospatial Information Processing Center (GIPC) Baseline 4.3  
for the production of Controlled Image Base (CIB)  
**Sponsor:** Harris Corporation  
**Developer:** Harris Corporation

**Date:** 18 October 2007  
**Expiration:** 17 October 2009  
**Registration #:** 354

- ☐ Initial Registration  
☒ Supplemental/Update #41  
☐ Derived from Reg. #

☐ **System**  
N-0105/98, §4.1.1

☐ **Product**  
N-0105/98, §4.1.2

☒ **Component**  
N-0105/98, §4.1.3

## NITFS Features Implemented:

### Format

- ☐ NITF  
☐ v2.1  
☒ v2.0  
☐ v1.1  
☐ NSIF  
☐ v1.0

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Annotation Segment Types

- ☐ B-Mapped \*\*  
☐ CCM, 2301  
☐ CCM, 2301A  
☐ Labels \*\*

### Text Segments

- ☐ STA  
☐ UT1  
☐ U8S  
☐ MTF

### Image Segment Types

- ☒ MONO  
☐ RGB  
☐ RGB/LUT  
☐ YCbCr  
☐ MULTI  
☐ NODISPLAY  
☐ POLAR

### Image Compression

- ☐ Not Compressed  
☐ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsample  
☐ JPEG Lossless  
☐ JPEG 2000  
☐ Bi-Level  
☒ Vector Quantization  
☐ Multispectral JPEG, Individual Band

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☒ Registered Extensions \*\*

### Tagged Record Extensions

- Registered TRE  
RPFHDR  
RPFIMG  
RPFDES


Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

## Configurations Tested:

- Dual-core UltraSparc-IV+@1.5GHz (12), 48  
10/100/1000BASE-T Ethernet, 48GB pre  
processor RAM, 67TB disk array running Sun  
Solaris 9 (SPARC)

Interpret  
Generate  
**Legend**  
☒ Fully implemented  
☐ Partially implemented  
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
product for the intended use. Optional NITFS features may not be implemented.

  
EDWARD E. BOYLES II, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program